



Installation: **Morgan County School District Re-3, Fort Morgan, Colorado**

Circon Integrator: **Commercial Systems Integrators, Fort Collins, Colorado**

Building Type: **Schools**

Physical Description: **3 elementary, 1 early childhood, 1 central, 1 middle and 2 high schools**

Duration of Project: **2 years starting 2003**

## THE CLIENT

Morgan County School District has a district wide energy service performance contract. All of the schools in the district are now on the same network for energy management and monitoring.

## THE CHALLENGE

- *Monitor and control energy usage*
- *Web access for maintenance and control*
- *Allow for future expansion*

## THE SOLUTION

- *Real time energy and temperature monitoring and metering*
- *Equipment scheduling and holiday schedules*
- *Dynamic floor plan for easy maintenance*

By deploying network management software over the Internet, Commercial Systems Integrators offers Morgan School District a cost-effective and easy-to-administer facility automation solution. The Plexus Altitude software provides a complete view of all the facilities including the option to change and configure schedules, define and view holidays, troubleshoot multiple locations and manage and monitor energy usage.

Each dynamic floor plan is a graphical representation of the school and corresponding area HVAC equipment allowing for point and click maintenance and monitoring in specified locations. The user is able to view, override, schedule, trend and alarm any set of variables, or equipment that is required.

In addition to HVAC equipment monitoring and control, energy monitoring in real time values shows peak demand statistics, electricity totals as well as current period hourly consumption. Scheduling features shows calendar schedules, holiday schedules, action lists and times. All of these features can be added, deleted or edited from the front-end software over the Internet. Current data and historical data can be viewed and reported as a line graph or in a report format.

All of the Morgan School District's facilities are available through one IP address, and the navigation between the schools and facilities is maintained through standard hyperlinks. Visual representation and control is done through any standard Web browser from any PC that is connected to the Internet. All access to the site is controlled through assigned usernames and passwords, with network integrity and security maintained through password protection down to the individual variable level.



**For more information about this case study, please call us at 1-800-338-1866.**

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